



REGULATORY FRAMEWORK AND LEGAL RESPONSIBILITIES FOR OWNERS OF CONSTRUCTION AND DEMOLITION WASTE

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Abstract:

This research offers an overview of the requirements outlined in the relevant Serbian legislative framework, aiming to define the legal obligations of waste owners in construction and demolition activities, particularly in light of recent regulatory updates in this field. This paper outlines the necessary steps within the environmentally friendly and responsible handling of construction and demolition waste. The legal requirements for construction and demolition waste producers include the development of a waste management plan, obtaining approval for the plan, and organizing its implementation. The waste owner's responsibilities, including sorting, collection, storage, record-keeping, transport, disposal, and waste testing, are thoroughly discussed, with a particular emphasis on ensuring that hazardous construction waste is separated on-site. The study also examines the obligations of project investors and contractors to maintain records, submit required documentation to competent authorities, and adhere to environmental protection measures during the construction or demolition process. The costs that the waste owner is responsible for, including those related to the treatment, recycling, and disposal of construction and demolition waste are also outlined. The importance of regulating the construction and demolition waste sector in Serbia lies in ensuring adherence to the waste management hierarchy, which promotes waste prevention, reduction, and recycling, thus minimizing environmental impacts. Proper registration and compliance with these regulations are essential for efficient waste management and the sustainable development of the country's infrastructure. Lastly, the research emphasizes the importance of proper waste management in construction projects for ensuring compliance with Serbian environmental regulations and promoting sustainable construction practices. Through the analysis of the legislative framework and practical obligations in managing construction and demolition waste, the paper aims to improve waste management practices and ensure that waste producers minimize their environmental impact.

Keywords: *Construction and Demolition Waste; Legal Obligations.*



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PREFACE

Welcome to the Abstract Book for DISC2024 – a forward-thinking collection that captures the synergy of robust academic research and innovative project work. Over the course of this transformative conference, we have witnessed 112 scholarly research contributions alongside 19 inspiring project presentations, each delving into topics critical to shaping our sustainable future. This year's themes include:

- **Environmental Protection and Sustainable Development**
- **Occupational Safety and Health**
- **Strategic Human Resource and Business Management**
- **Sustainable Project Management**
- **Civil Engineering**
- **Education 3.0**

In addition to the main sessions, we were honored to host a special session featuring our distinguished guest, Arijana Filipić from National Institute of Biology, Slovenia. Her captivating presentation, "Mission Possible: Successful Scientific Presentation," provided invaluable insights into delivering impactful and persuasive scientific discourse, setting a high benchmark for academic excellence.

Hosted in the vibrant city of Novi Sad this December, DISC2024 has provided a dynamic forum where experts, practitioners, and emerging scholars converged to exchange ideas, challenge conventional boundaries, and chart new paths in research and practice.

We extend our sincere gratitude to every author, presenter, and mentor whose contributions have enriched this publication. I also wish to recognize our entire organizing team for their remarkable efforts in bringing this event to life. In particular, my heartfelt thanks go to Dr. Nevena Živančev, Dr. Jovana Topalić, MSc. Dunja Istrat and MSc. Tijana Adamov for their visionary leadership and steadfast commitment. Your invaluable contributions have been the cornerstone of this event's success.

As you explore the abstracts and project summaries contained within these pages, we hope you find the insights and innovations presented here as inspiring as they are thought-provoking – fueling future collaborations and breakthroughs in your respective fields.

Looking ahead, we eagerly anticipate welcoming you once again in December 2025 as we continue to build on the success and collaborative spirit of DISC. May your journey of discovery and innovation continue unabated in the coming years.

With warm regards,

Dr. Maja Petrović

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